

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/KR2004/002420

## A. CLASSIFICATION OF SUBJECT MATTER

**IPC7 H04B 1/40**

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04B 1/40

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  
Korean Patents and applications for inventions since 1975, Korean Utility models and applications for Utility models since 1975  
Japanese Utility models and applications for Utility models since 1975

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
NPS

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P,X	KR 2004-022019 A (SAMSUNG ELECTRONICS CO., LTD.) 11 MAR. 2004, see the whole document	1-4,8,9,13
A	KR 2003-082105 A (LG ELECTRONICS CO., LTD.) 22 OCT. 2003, see abstract and figure 2-4	1,3,8
A	WO 2002/27914 A2 (BROADCOM CORP.) 4 APR. 2002, abstract	1,3,8
A	US 6208875 B1 (CONEXANT SYSTEMS, INC.) 27 MAR. 2001, abstract and claim 1	1,3,8
A	KR 10-339687 B1 (KOREAN ELECTRONICS TECHNOLOGY INSTITUTE) 28 AUG. 2002, abstract	1,3,8

☐ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

06 JANUARY 2005 (06.01.2005)

Date of mailing of the international search report

07 JANUARY 2005 (07.01.2005)

Name and mailing address of the ISA/KR



Korean Intellectual Property Office  
920 Dunsan-dong, Seo-gu, Daejeon 302-701,  
Republic of Korea

Facsimile No. 82-42-472-7140

Authorized officer

KIM, Choon Seok

Telephone No. 82-42-481-5947



# INTERNATIONAL SEARCH REPORT

International application No.

PCT/KR2004/002420

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
KR 2004-022019 A	11.03.2004	NONE	
KR 2003-082105 A	22.10.2003	NONE	
WO 2002/27914 A2	04.04.2002	US 2002-075088 AA	20.06.2002
US 6208875 B1	27.03.2001	NONE	
KR 10-339687 B1	28.08.2002	NONE	